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100	ommissioner for Patents, P.O. Box 1450, Mail Stop Reiss	ue
AL	exandria, VA 22313-1450	
, All	oplicant(s): Shen et al	Docket No.: 011361.00064
116	S Patent No: 5,573,648	Issue Date: 11/12/96
1110	Poissus Patent Anniisation No.: TBA	US Reissue Filing Date: 07/17/03
7741	e: Gas Sensor Based on Protonic Conductive Membran	es , 🤈 ,
The	e following has been received in the U.S. Patent and Tra	demark Office on the date stamped nereon:
1116	Transmittal Letter pages (in duplicate)	
1	Specification pages:	Petition for Extension (months)
1	claims, independent claims, abstract	Preliminary Amendment pages
1-	Tomatings (1 formal (1 informal sheets %	Request for Corr. Filing Recpt
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- E	e Enclosed: Debit Deposit Acct. No.	19-0733 for
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE (Attorney Docket No. 011361.00064)

Patentee:

Shen et al.

Assignee:

Atwood Mobile Products, Inc.

U.S. Patent No.:

5,573,648

Date Issued:

November 12, 1996

Application No.:

381,718

Date Filed:

January 31, 1995

Reissue Application No.:

TBA

Reissue Filing Date:

July 17, 2003

Title:

GAS SENSOR BASED ON PROTONIC CONDUCTIVE MEMBRANES

Mail Stop Reissue Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

CERTIFICATE OF EXPRESS MAIL FOR REISSUE APPLICATION

Dear Sir:

"Express Mail" Label No.: EV323344841US

Date of Deposit: 25 July 2003

I hereby state that the following:

- (1) Information Disclosure Statement (2pgs);
- (2) PTO 1449 Form (1pg);
- (3) Copies of 17 citations; and
- (4) Return-Receipt Postcard

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, on the date indicated above and is addressed to the Mail Stop Reissue, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Rachelle Cherry

Signature of person mailing paper or fee

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INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In accordance with the provisions of 37 C.F.R. § 1.56 and 1.97, applicant herewith submits the publications and/or patents shown on the attached form PTO-1449, for consideration by the Examiner in connection with the examination of the above-identified reissue patent application.

REMARKS

In accordance with the provisions of 37 C.F.R. § 1.97, this statement is being filed (CHECK ONE):

- X within three (3) months of the Filing Date or before the mailing (1) date of the First Office Action on the merits; or
- (2) after the period defined in (1) but before the mailing date of a Final Rejection or Notice of Allowance, and the requisite Certification or fee under Rule 1.17(p), namely \$180.00, is included herein; or

IDS - Page 2 Reissue Application of U.S. 5,573,648

> after the mailing date of a Final Rejection or Notice of Allowance but before the payment of the Issue Fee, and the requisite Certification, petition, and petition fee are included herein.

It is respectfully requested that each of the citations shown on the attached form PTO-1449 be made of record in this application. Copies of each of these citations (CHECK ONE):

are enclosed herewith except no copy of the cited text in the Liquid Electrolyte X Fuel Cells citation is currently available; or are in the file of related application Serial No. 00/000,000, filed , and are thus not being resubmitted herein.

Early examination and allowance of the present application are respectfully solicited.

FEE AUTHORIZATION

The Commissioner is hereby authorized to charge any fee associated with this document to Deposit Account No. 19-0733. Any overpayments should be credited to same Deposit Account.

Respectfully submitted,

Peter D. McDermott (Reg. No. 29,411) McDermott

Attorney for Applicants Banner & Witcoff, LTD. 28 State St. - 28th Floor Boston, MA 02109

Phone: 617.720.9600 Fax: 617.720.9601

			U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 011361.00064 Serial No. Reissue of						
	INFO	RMATION DISCLOSURE	E CITATION	Applicants: Shen et al.						
Sheet 1 of 1				Issue Date: November 12, 1996			Group:			
		•	U.S. PATENT	DOCUMENTS						
Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing D			
	AA	5,573,648	Nov. 12, 1996	Shen et al.						
	AB	4,664,757	May 12, 1987	Zupancic et al.						
	AC	5,164,053	Nov. 17, 1992	Razaq et al.						
	AD	5,322,602	Jun. 21, 1994	Razaq						
	AE	4,718,991	Jan. 12, 1988	Yamazoe et al.						
	AF	5,650,054	July 22, 1997	Shen et al.						
•	AG	4,227,984	Oct. 14, 1980	Dempsey et al.				•		
	AH	5,266,421	Nov. 30, 1993	Townsend et al.						
	AI	5,474,857	Dec. 12, 1995	Uchida et al.						
	AJ	4,820,386	Apr. 11, 1989	LaConti et al.						
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	AL	5,330,860	Jul. 19, 1994	Grot et al.				<u></u>		
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	AN	5,302,274	Apr. 12, 1994	Tomantschger et al.				,		
			FOREIGN PATEN	NT DOCUMENTS		-	4			
Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation			
						<u> </u>	YES	NO		
	AO									
·		OTHER DO	OCUMENTS (including Au	thor, Title, Date, Pertinent Pa	ges, etc.)					
	AP	"Nafion Distribution in Gas Diffusion Electrodes for Solid-Polymer-Electrolyte-Fuel-Cell Applications"; Z. Poltarzewski, P. Staiti, V. Alderucci, W. Wieczorek, and N. Giordano; J. Electrochem. Soc., Vol. 139, No. 3, March 1992; pgs. 761-765								
	AQ	"Preparation of High-Platinum-Utilization Gas Diffusion Electrodes for Proton-Exchange-Membrane Fuel Cells"; E. J. Taylor, E.B. Anderson, and N.R.K. Vilambi; ElectroChemical Society Letters; Vol. 139, No. 5, May 1992; pgs. L45-L46								
	AR	"Liquid Electrolyte Fuel Cells"; by B.S. Hobbs, A.D.S. Tantram and R. Chan-Henry; Techniques and Mechanisms in Gas Sensing; by P.T. Moseley, J.O.W. Norris and D.E. Williams; Materials and Manufacturing Technology Division, Harwell; Adam Hilger; 1991 pgs. 161-188								
-	AS	Skoog, Principles of Instrumental Analysis, 3 rd Edition. P. 665, 1985								
EXAMINER					DATE CO	NSIDERED				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.**Copies of references not provided at the time of this submission.